

Table IV.2A

**ACEI Section IV.2 Content Knowledge
Content Area Grades: Academic Year 2016-17**

Class	Class Name	Fall '16			Spring '17		
		N	μ (range)	SD	N	μ (range)	SD
2.1 Reading, Writing, & Oral Language							
Required: 18 cr.							
EDEE 422	Reading Methods	5	3.2 (2.0-4.0)	1.0	19	3.7 (2.0-4.0)	0.5
EDEE 424	Language Arts Methods	5	3.8 (3.0-4.0)	0.4	19	3.6 (2.0-4.0)	0.5
ENG 100	Composition I	16	2.8 (1.3-4.0)	1.1	5	4.0	NA
ENG 200	Composition II	17	3.1 (0.7-4.0)	1.0	27	3.2 (1.0-4.0)	0.7
ENG 383	Children's Literature	10	3.2 (2.0-4.0)	0.7	19	3.2 (1.0-4.0)	0.9
PSY 342	Educational Psychology	8	3.1 (1.7-4.0)	0.8	19	3.1 (2.7-4.0)	0.4
3 cr. Speech Course							
Approved Course Work (one of the following):							
SP 151	Personal and Public Speaking	8	3.7 (3.0-4.0)	0.4	4	3.1 (2.7-4.0)	0.5
3 cr. Developmental Course							
Approved Course Work (one of the following):							
FAMR 230	Human Development	2	3.5 (3.0-4.0)	0.7	0	NA	NA
PSY 240	Developmental Psychology	4	3.0 (2.0-4.0)	0.8	9	3.0 (2.0-4.0)	0.5
PSY 340	Childhood and Adolescence	4	2.2 (1.0-3.0)	0.9	4	2.8 (2.0-3.7)	0.8
2.2 Science							
3 cr. Biological Science Course							
Approved Course Work (one of the following):							
BIOL 100	Human Biology	3	3.3 (2.0-4.0)	1.1	5	2.6 (2.0-4.0)	0.8
BIOL 101	Biology & Society	7	3.0 (2.0-4.0)	0.9	7	3.4 (2.7-4.0)	0.6
BIOL 171	Introduction to Biology I	1	3.0	NA	0	NA	NA
BOT 101	General Botany	0	NA	NA	2	2.0 (0.7-3.3)	1.8
MICR 130	General Microbiology	2	3.0	NA	0	NA	NA
PHYL 142	Anatomy & Physiology II	1	4.0	NA	0	NA	NA
ZOOL 200	Marine Biology	1	3.0	NA	0	NA	NA
3 cr. Physical Science Course							
Approved Course Work (one of the following):							
CHEM 100	Chemistry and Society	6	4.0	NA	3	3.3 (3.0-4.0)	0.5
CHEM 161	General Chemistry I	1	3.0	NA	0	NA	NA
GEOG 101	The Natural Environment	1	3.0	NA	0	NA	NA
GEOL 101	Dynamic Earth	1	4.0	NA	0	NA	NA
GEOL 122	Introduction to Earth Science	1	4.0	NA	0	NA	NA
GEOL 130	Geological Hazards	0	NA	NA	2	3.65 (3.3-4.0)	0.4
MET 101	Introduction to Meteorology	1	1.7	NA	0	NA	NA
		N	μ (range)	SD	N	μ (range)	SD
OCN 201	Science of the Sea	0	NA	NA	5	2.2 (1.0-3.0)	0.8
PHYS 100	Survey of Physics	9	3.3	0.9	1	4.0	NA

Class	Class Name	Fall '16			Spring '17		
			(1.3-4.0)				
PHYS 152	College Physics	0	NA	NA	1	4.0	NA
3 cr. Earth Science Course							
Approved Course Work (one of the following):							
GEOG 101	The Natural Environment	1	2.0	NA	1	3.0	NA
GEOL 101	Dynamic Earth	1	4.0	NA	4	3.0 (2.7-3.7)	0.4
GEOL 122	Introduction to Earth Science	5	3.2 (2.3-4.0)	0.7	4	3.5 (3.0-4.0)	0.4
MET 101	Introduction to Meteorology	5	2.9 (2.0-4.0)	0.7	0	NA	NA
OCN 201	Science of the Sea	5	3.2 (2.0-4.0)	0.8	7	2.0 (1.0-4.0)	1.0
2.3 Mathematics							
Required: 6 cr.							
MATH 111	Math for Elem. School Teachers I	21	3.5 (1.0-4.0)	0.7	16	3.6 (2.0-4.0)	0.6
MATH 112	Math for Elem. School Teachers II	13	3.2 (1.7-4.0)	0.8	20	3.5 (3.0-4.0)	0.4
2.4 Social Studies							
Required: 6 cr.							
GEOG 102	World Regional Geography	20	3.3 (1.0-4.0)	0.9	17	2.5 (1.0-4.0)	1.1
HIST 151	World Civilization I OR	28	3.0 (1.3-4.0)	0.9	5	2.8 (2.7-3.3)	0.2
HIST 152	World Civilization II	8	3.0 (1.7-4.0)	0.9	10	3.4 (2.0-4.0)	0.7
3 cr. Social Science Course							
Approved Course Work (one of the following):							
ECON 130	Principles of Microeconomics	3	2.1 (1.0-3.0)	1.0	3	2.9 (2.0-4.0)	1.0
ECON 131	Principles of Macroeconomics	1	4.0	NA	2	3.3	NA
POLS 110	Introduction to Political Science	4	4.0	NA	0	NA	NA
SOC 100	Survey of General Sociology	8	2.3 (1.0-3.0)	0.7	7	2.7 (1.0-4.0)	1.0
SOC 251	Introduction to Sociology of Family	0	NA	NA	1	4.0	NA
2.5 The Arts							
Required: 3 cr.							
EDEE 325	Creative & Performing Arts	10	3.5 (2.0-4.0)	0.7	14	3.7 (3.0-4.0)	0.4
3 cr. Art or Music Appreciation							
Approved Course Work (one of the following):							
ART 101	Introduction to Visual Arts	5	3.0 (2.0-4.0)	0.7	4	2.2 (2.0-3.0)	0.5
MUS 106	Introduction to Music Literature	3	3.3 (3.0-4.0)	0.5	0	NA	NA
MUS 107	Music in World Cultures	2	2.0 (1.0-3.0)	1.4	6	2.5 (0.7-3.7)	1.2
MUS 108	Fundamentals of Western Music	4	4.0	NA	4	3.8 (3.7-4.0)	0.1
2.6 & 2.7 Health & Physical Education							
Required: 3 cr.							
EDEE 324	Health, PE & Movement	12	3.5 (2.3-4.0)	0.5	23	3.6 (3.0-4.0)	0.4

Average % of Grades Earned by Candidates in AY 2016-17

ACEI	Content Areas	Grades Earned			
		A	B	C	D
2.1	Reading, Writing, & Oral Language n=204	53%	32%	12%	3%
2.2	Science n=94	41%	35%	19%	5%
	Biological Science n=29	38%	35%	24%	3%
	Physical Science n=32	54%	31%	9%	6%
	Earth Science n=33	31%	39%	24%	6%
2.3	Mathematics n=70	58%	37%	4%	1%
2.4	Social Studies n=117	38%	35%	17%	10%
2.5	The Arts n=52	56%	27%	13%	4%
2.6 2.7	Health & Physical Educ. n=35	71%	26%	3%	0%